nelrias

CS19541 - Computer Networks - Lab manual Pradict-

Aim: Study of various network commands

Basic Networking Commands.

1) c: 1 users IRECxamp-a

Interface: 192.168.56.1 -- 0x7

Internet Address physical address

192.168.56.255

224.0.0.2

01.00-5e.00-00-02

224.00.22

01-00-5e.00-00-16

224.0.0.251

01-00-5e-00-00-fe

224.0.0.252

01-00-5e-7j-ft-fa

states
state
state
state
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state
state

Interface: 192.108.155.1 -- 0x13

Static Static Static Static Static

2) c= \ Usos | REL > host name

DESKTOP- ATEX DUGI.

3) c. l'users l'REC> Peconfig Wordows IP configuration Ethernet, adapter Ethernet connection - specific This suffix: Link-docal 3 PVB address fe 80 5400 0 526: 0980: 06974 IPV4 Address 172.16.8.102 Subnet Mask: 255.255.252.0 Agault Crateway: 172.16.9.1 Wireles LAN adapter Wi-ti: Media Hore: Media distorrected Ethernet adapter Muarie Network Adapter VMnots:

connection - specific DNS suffin: Link - local IPV6 Address: 5280::7713:1(04:1852:62) INA address: 192.168.155.1 Sabret Mask: 255. 255. 255.0.

Alphotistat -an

Ethernet - 2:

Node IPAddress: [192.168.56-1] Scope Id:[]

N+1810s Loral name table

Name Desktop-Atekourcood unique workgroup LOO> Group Desktop-ATEKDUTIZOS wright

Status Registered Registered Registered

C: Lusers | REL > netstat 5)

Attile connections.

Proto Local address TCP 127.0.0.1:49733 TCP 172.16.8.102:49943 a-0003: https Wose-wait TCP 172.16.8.102:499A4

foreign address Deletop-ATEX DUA: 49734 Istablished a-0003: https

State close-voit

6) & lusous | REC> nshookup Default server : unknown Address : 172 16.8.1 7) pathpeng - g google com. Tracing route to google comp[210 58:200 142] over a manimum of 30 hops: O DESKTOP-ATENDOG [142.168.102] computing statistics for o seconds. source to here this node link HOP RTT Lost/send = Pet Lost/sent = Pet Address DESKTOP- ATEKDUG [172.16.8-102] Trace complete 8) ping -t 172.16.8.102 pluging 172.16.8.102 with 32 bytes of data Riphy from 172 16.8.102 bytes= 32 time LIMS TT1=128 plng statistics for 172.16.8.101: : Parkets: Sent = 54, Released = 54, Jost = 0(01/loss), Approntmate round trip times in milliseconds: 1. Minimum = oms, manimum = oms, Average = oms I willboat w. I worken 9) voute route Delete 157.0.0.0 route Delete 3ffc: 132

route add 3fte:: 132 3fte::1

Linux Networking commands: リノ井丁り usage: IP[options]objet 4 command Ihelp] IPI-force J. batch filerance. where deject := 4 sinx (address) addr babel (route) rule Prign Intoble I turnel I turtap I maddress moute I mould movitor / xmorm | netros 1240 |
moute of mould movitor / xmorm | netros 1240 |

for I macsec 1 tep-metrics / token | net conf | vrf }

for I macsec 1 tep-metrics / token | net conf | vrf }

for route get 10.10.1.4 dev sip 250 src 172 16.11.196 uid 1000 cache 2) # Hearlig enp280: flags: 4163 L VP, BROADCAST, Running, multicast > mtV 1500 9 net 172-16.8-87 retrank 255.255.252.0 broadcast 172.16.11.255 Preto feso: 5196:7795; dae 1:0018 prefix len 64 supperd 0x20 < link > ether 50:90:40: 34:00: 63 tx queuelen 1000 (ethernet) 107110398 (102.1 HiB) Rx packets 97897 bytes Ry surveys o dropped overruns o trainer Tx parkets 22295 bytes 9334319 (8.919B)
Tx enemys 0 0 overruns 0 0 obstrums o o Tx errors 0 collissons o

Thing as ping [-a AbBdoth Ln Ogg RU, Vbf][-ccount of enterval] [-1 interface][-m mork][-m pontodise option][-1 proload][-p patturn][-a tos]

[-s packetsize][-s and buil] [-t Hi][-T times tamp-option][-w deadline][-w timeout][hopi.] destination

4) # nmall enpreso: connected to New 802-3-ethernet connection.

Realter RT1811118168/2411 PCI Express Gigabit Ethernet controller ethernet (18169), 50.9A:4C:34:06:63 his iP4 default met 4 172. 16.8.87/22 Priet 6 fe 80: 6796 7797: dae 1: Fol8 164 W/p 350: wravailable Qualcomm Atheros OCA9565 | AR9565 wire network adapter" with (ath 9K), Ab: DC: 38: 7E: 65: B7, hw, mto 150 My traceroute [vo : 87] Sot Jul 20 14:05:53 202 5) mtr Keys. Help Display made Restart Statistics order of field quit Host 1,:11

Parkets
Parkets
Pool: 300 0.1
Pings
Best Wast 5 then
0.0': 300 0.1
Pings
O.0': 300 0.1

Result:

en linge and windows is studied.